



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

D350-822-011
Job Sheet 198140



Part No: D350-822-011

Job Qty: 1 pcs

Part Name: PA100 PUREair System for AS350/EC130



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 7/22/19

Job Tracking No:

Due Date: 8/16/19

Created By: Marie Lajeunesse

Type: Stock

Description: SIOP

Note: IIN-D350-822 REV.I IPP REV:A 14.02.20 NEW ISSUE DD VERF:JLM IPP REV:B 14.06.18 AS PER IIN REV.C DD VERF:JLM IPP REV:C 15.06.03 AS PER IIN REV.D DD VERF:JLM IPP REV:C 18.07.11 AS PER IIN REV.H DD VERF:JFS IPP REV:D 19.04.16 AS PER CHG006 DD VERF:JFS

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier	Sign-off
					Setup Hrs	Run Hrs		
90	Packaging 1 - Pick Kit	1 pcs ✓		8/16/19	0.00	0.00	Packaging 1 - 1	
							Packaging 1 - 2	
							Packaging 1 - 3	
							Packaging 1 - 4	
							Packaging 1 - 5	
							Packaging 1 - 6	
							Packaging 1 - 7	
							Packaging 1 - 8	
							Packaging 1 - 9	
							Packaging 1 - 10	
							Packaging 1 - 11	
							Packaging 1 - 12	
							Packaging 1 - 13	
							Packaging 1 - 14	
							Packaging 1 - 15	
							Packaging 1 - 16	
							Packaging 1 - 17	
							Packaging 1 - 18	
							Packaging 1 - 19	
							Packaging 1 - 20	
							Packaging 1 - 21	
							Packaging 1 - 22	
							Packaging 1 - 23	
							Packaging 1 - 24	
							Packaging 1 - 25	
							Packaging 1 - 26	
							Packaging 1 - 27	
							Packaging 1 - 28	
							Packaging 1 - 29	
							Packaging 1 - 30	



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Container No: S222419



Part: D350-822-011

Job No: 198140

Serial No/Batch: S222419

Revision: I

Inspector:

Exp Date:

Instructions: TC STC SH14-14-Issue 2, FAA STC SR0353

Poll = 12,800

				Packaging 1 - 31	
				Packaging 1 - 32	
				Packaging 1 - 33	
				Packaging 1 - 34	
				Packaging 1 - 35	
				Packaging 1 - 36	
110	Packaging 1-1 - Pick Kit - B4B 1 pcs	8/16/19	0.00 0.00	Packaging 1 - 1 - B4B	
				Packaging 1 - 2 - B4B	
				Packaging 1 - 3 - B4B	
				Packaging 1 - 4 - B4B	
				Packaging 1 - 5 - B4B	
				Packaging 1 - 6 - B4B	
				Packaging 1 - 7 - B4B	
				Packaging 1 - 8 - B4B	
				Packaging 1 - 9 - B4B	
				Packaging 1 - 10 - B4B	
				Packaging 1 - 11 - B4B	
				Packaging 1 - 12 - B4B	
				Packaging 1 - 13 - B4B	
				Packaging 1 - 14 - B4B	
				Packaging 1 - 15 - B4B	
				Packaging 1 - 16 - B4B	
				Packaging 1 - 17 - B4B	
				Packaging 1 - 18 - B4B	
				Packaging 1 - 19 - B4B	
				Packaging 1 - 20 - B4B	
				Packaging 1 - 21 - B4B	
				Packaging 1 - 22 - B4B	
				Packaging 1 - 23 - B4B	
				Packaging 1 - 24 - B4B	
				Packaging 1 - 25 - B4B	
				Packaging 1 - 26 - B4B	
				Packaging 1 - 27 - B4B	
				Packaging 1 - 28 - B4B	
				Packaging 1 - 29 - B4B	
				Packaging 1 - 30 - B4B	
				Packaging 1 - 31 - B4B	
				Packaging 1 - 32 - B4B	
				Packaging 1 - 33 - B4B	
				Packaging 1 - 34 - B4B	
				Packaging 1 - 35 - B4B	
				Packaging 1 - 36 - B4B	
120	QC 4 1 pcs	8/16/19	0.00 0.00	QC 4 - 28	
				QC 4 - 58	
				QC 4 - 69	
				QC 4 - 9	
				QC 4 - 46	
				QC 4 - 68	
				QC 4 - 72	
				QC 4 - 74	
				QC 4 - 75	
125	Outsource - 10 - Consignment 1 pcs	8/16/19	0.00 0.00		
130	Packaging 3-1 - Stock - B4B 1 pcs	8/16/19	0.00 0.00	Packaging 3 - 1 - B4B	
				Packaging 3 - 2 - B4B	
				Packaging 3 - 3 - B4B	
				Packaging 3 - 4 - B4B	
				Packaging 3 - 5 - B4B	
				Packaging 3 - 6 - B4B	
				Packaging 3 - 7 - B4B	

				Packaging 3 - 8 - B4B	
				Packaging 3 - 9 - B4B	
				Packaging 3 - 10 - B4B	
				Packaging 3 - 11 - B4B	
				Packaging 3 - 12 - B4B	
				Packaging 3 - 13 - B4B	
				Packaging 3 - 14 - B4B	
				Packaging 3 - 15 - B4B	
				Packaging 3 - 16 - B4B	
				Packaging 3 - 17 - B4B	
				Packaging 3 - 18 - B4B	
				Packaging 3 - 19 - B4B	
				Packaging 3 - 20 - B4B	
				Packaging 3 - 21 - B4B	
				Packaging 3 - 22 - B4B	
				Packaging 3 - 23 - B4B	
				Packaging 3 - 24 - B4B	
				Packaging 3 - 25 - B4B	
				Packaging 3 - 26 - B4B	
				Packaging 3 - 27 - B4B	
				Packaging 3 - 28 - B4B	
				Packaging 3 - 29 - B4B	
				Packaging 3 - 30 - B4B	
				Packaging 3 - 31 - B4B	
				Packaging 3 - 32 - B4B	
				Packaging 3 - 33 - B4B	
				Packaging 3 - 34 - B4B	
				Packaging 3 - 35 - B4B	
				Packaging 3 - 36 - B4B	
135	DC - 1 - B4B	1 pcs	8/16/19	0.00 0.00	DC - 1 - B4B
					DC - 2 - B4B
140	QC 21 - FG	1 pcs	8/16/19	0.00 0.00	QC 21 - FG - 21
					QC 21 - FG - 70
					QC 21 - FG - 53

Part Op 90 - Pick kit

Descriptions: 110 - Pick Kit

120 - QC4- 100% Inspect kits for completeness

125 - Issue PO to GL account 50000-25 to LEAVE W/O OPEN UNTIL SOLD PO _____ (Send copy of PO to Pall - James) Issue W/O LINE item for Pall for amount sold on sales order S/O _____ according to sales price see Warran for amount. (if sale price is \$23,000 - amount is \$13,400) PO can be received immediately and given to finance in order to close work order.

130 - Identify and pack for shipping as per PPP D350-822-011

135 - Photocopy bluefile & type labels per PPP D350-822-011 CHG006

140 - QC21- Final Inspection - Work Order Release

(012298)

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
650.0401	Pureair Fairing Assembly	1 pcs (1 ea)	90-Packaging 1 - Pick Kit	B4B S213011
9752100180	Gasket	1 Ea (1 ea) ✓	90-Packaging 1 - Pick Kit	S195278 ✓
9945000120	Gasket (for B3e models)	1 pcs (1 ea) ✓	90-Packaging 1 - Pick Kit	S179574 ✓
AN821-12J	Elbow (or AN821-12K or 12S)	2 Ea (2 ea) ✓	90-Packaging 1 - Pick Kit	S219466 ✓
AN929-12J	Cap	1 Ea (1 ea) ✓	90-Packaging 1 - Pick Kit	S218599 ✓
D4925-041	Mounting Plate Assembly	1 pcs (1 ea) ✓	90-Packaging 1 - Pick Kit	S218211 ✓
D4931-1	Engine Fitting (for acft models B2 & previous)	1 pcs (1 ea) ✓	90-Packaging 1 - Pick Kit	S192072 ✓
D4931-3	Engine Fitting (For B3 Models)	1 pcs (1 ea) ✓	90-Packaging 1 - Pick Kit	S192905 ✓
D4931-5	Engine Fitting (for B3e models)	1 pcs (1 ea) ✓	90-Packaging 1 - Pick Kit	S192914 ✓
D4935-1	Mounting Bracket	6 pcs (6 ea) ✓	90-Packaging 1 - Pick Kit	S213365 ✓
D4943-1	Flex Hose	1 pcs (1 ea) ✓	90-Packaging 1 - Pick Kit	S199091 ✓
D4961-041	Tube Assembly	1 pcs (1 ea) ✓	90-Packaging 1 - Pick Kit	S222069 ✓
D4961-043	Tube Assembly	1 pcs (1 ea) ✓	90-Packaging 1 - Pick Kit	S199119 ✓
D5079-1	Placard, Eaps Exp Date 11-14-2019	2 pcs (2 ea) ✓	90-Packaging 1 - Pick Kit	S122945 ✓
D5090-041	Duct Assembly	1 pcs (1 ea)	90-Packaging 1 - Pick Kit	S219555
D5105-1	Handle	2 pcs (2 ea) ✓	90-Packaging 1 - Pick Kit	S209366 ✓
D5110-1	Swivel Nut Fitting	1 pcs (1 ea) ✓	90-Packaging 1 - Pick Kit	S200764 ✓
D5179-1	Doubler	2 pcs (2 ea) ✓	90-Packaging 1 - Pick Kit	S212892 ✓
D5179-3	Doubler	2 pcs (2 ea) ✓	90-Packaging 1 - Pick Kit	S212879 ✓
D5194-1	Doubler	2 pcs (2 ea) ✓	90-Packaging 1 - Pick Kit	S186022(x1) ✓ S220028
D5208-041	Blanking Plate Assembly	3 pcs (3 ea) ✓	90-Packaging 1 - Pick Kit	S218626 ✓
LN9038-05012	Bolt	36 pcs (36 ea)	90-Packaging 1 - Pick Kit	S181020 ✓
LN9038-05040	Bolt	1 pcs (1 ea) ✓	90-Packaging 1 - Pick Kit	S19862 ✓
LN9348-05	Nut	32 pcs (32 ea)	90-Packaging 1 - Pick Kit	S192370 ✓
MS20470AD3-4	Rivet, Universal Head	18 Ea (18 ea) ✓	90-Packaging 1 - Pick Kit	F136665 ✓
MS21919WCH12	Clamp	1 Ea (1 ea) ✓	90-Packaging 1 - Pick Kit	S131208 ✓
MS9592-138	Bracket	1 pcs (1 ea) ✓	90-Packaging 1 - Pick Kit	S197846 ✓
NAS1149D0332J	Washer	70 Ea (70 ea) ✓	90-Packaging 1 - Pick Kit	S178378 ✓
NAS43DD3-64	Spacer	1 Ea (1 ea) ✓	90-Packaging 1 - Pick Kit	S114223 ✓
22208CM050016E	Screw	2 pcs (2 ea) ✓	90-Packaging 1 - Pick Kit	S197960 ✓
23350CA050	Washer	2 Ea (2 ea) ✓	90-Packaging 1 - Pick Kit	S167662 ✓
736	Heat Resistant Sealant 3 OZ tube	1 Ea (1 ea) ✓	90-Packaging 1 - Pick Kit	S200141 ✓
9945000160	Gasket	1 Ea (1 ea) ✓	90-Packaging 1 - Pick Kit	S170357 ✓
D5526-1	Upper Hose Protector	1 pcs (1 ea) ✓	90-Packaging 1 - Pick Kit	S175165 ✓
D5526-3	Lower Hose Protector	1 pcs (1 ea) ✓	90-Packaging 1 - Pick Kit	S175576 ✓
D5721-1	Heat Barrier	1 pcs (1 ea) ✓	90-Packaging 1 - Pick Kit	S181970 ✓
LN9038-05016	Bolt	2 pcs (2 ea) ✓	90-Packaging 1 - Pick Kit	S117992 ✓
BS4320-A5	Washer	56 Ea (56 ea)	110-Packaging 1-1 - Pick Kit - B4B	S226533
LN29985-A05	Anchor Nut	15 pcs (15 ea)	110-Packaging 1-1 - Pick Kit - B4B	S226528
LN9038-05018	Bolt	56 pcs (56 ea)	110-Packaging 1-1 - Pick Kit - B4B	S226530
MS20426AD3-3	Rivet	40 Ea (40 ea)	110-Packaging 1-1 - Pick Kit - B4B	S226534
QB21304	Pureair Panel Assembly	1 pcs (1 ea)	110-Packaging 1-1 - Pick Kit - B4B	S226524
QB21310	Transition Duct Assembly	1 pcs (1 ea)	110-Packaging 1-1 - Pick Kit - B4B	S226526
QB23753	Fod Screen Assembly	1 Ea (1 ea)	110-Packaging 1-1 - Pick Kit - B4B	S226527
QR10616	Vortex Tube Repair	1 pcs (1 ea)	110-Packaging 1-1 - Pick Kit - B4B	S226520

Job Allocations				
Operation	Component Part	Required	Inventory	Allocated
90-Packaging 1 - Pick Kit	22208CM050016E	2	56	0
	23350CA050	2	58	0
	650.0401	1	9	0
	736	1	25	0
	9752100180	1	40	0
	9945000120	1	41	0
	9945000160	1	37	0
	AN821-12J	2	42	0
	AN929-12J	1	19	0
	D4925-041	1	6	0
	D4931-1	1	30	0
	D4931-3	1	31	0
	D4931-5	1	30	0
	D4935-1	6	49	0
	D4943-1	1	49	0
	D4961-041	1	17	0
	D4961-043	1	21	0
	D5079-1	2	44	0
	D5090-041	1	4	0
	D5105-1	2	14	0
	D5110-1	1	17	0
	D5179-1	2	28	0
	D5179-3	2	30	0
	D5194-1	2	26	0
	D5208-041	3	9	0
	D5526-1	1	32	0
	D5526-3	1	30	0
	D5721-1	1	45	0
	LN9038-05012	36	526	0
	LN9038-05016	2	34	0
	LN9038-05040	1	30	0
	LN9348-05	32	590	0
	MS20470AD3-4	18	5,427	0
	MS21919WCH12	1	26	0
	MS9592-138	1	51	0
	NAS1149D0332J	70	3,123	0
	NAS43DD3-64	1	41	0
110-Packaging 1-1 - Pick Kit - B4B	BS4320-A5	56	286	0
	LN29985-A05	15	444	0
	LN9038-05018	56	1,540	0
	MS20426AD3-3	40	6,895	0
	QB21304	1	5	0
	QB21310	1	5	0
	QB23753	1	3	0
	QR10616	1	4	0

Part Specifications

Specifications could not be found.

Plex 7/22/19 3:12 PM Dart.lajeunesse.marie

Entered: _____ Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

Job: _____ Part No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐	DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier ☐ Quality ☐			
Date :	Sequence #:	QTY Affected :		MRB (QSI042)	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor	
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Presservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐		FAULT CATEGORY ☐ Pressure/Forced ☐ Bending ☐ Crushing ☐ Cracks ☐ Crimp/Kink/Ripple/Wave/Twist ☐ Marks/Chatter ☐ Mislabeled ☐ Contamination ☐ Misaligned/off center ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Incomplete/Unclear Instructions ☐ Drill Holes ☐ Fit/Function ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain Direction ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set/Set-up ☐ Positioned Wrong ☐ Outside Tolerance ☐ Drawing ☐ Finish ☐ Part Lost/Missing ☐ Misread			
Other/Details:					

5.0 PARTS LIST

QTY -011	QTY -013	PART NUMBER	DESCRIPTION
X		D350-822-011	PA100 PUREAIR SYSTEM
	X	D350-822-013	PA100 PUREAIR PROVISIONS
1		QB05008	PUREAIR SYSTEM
1**		QR10616	TUBE REPAIR KIT
1**		QB21304	PUREAIR PANEL ASSY
1**		QB21310	TRANSITION DUCT ASSY
1**		QB23753	FOD SCREEN ASSY (REPLACES QB21308)
15**		LN29985-A05	ANCHOR NUT
56**		LN9038-05018	BOLT
56**		BS4320-A5	WASHER
40**		MS20426AD3-3	RIVET
1	1	650.0401	PUREAIR FAIRING ASSY
1	1	D4925-041	MOUNTING PLATE ASSY
1*	1*	D4931-1	ENGINE FITTING
1*	1*	D4931-3	ENGINE FITTING
1*	1*	D4931-5	ENGINE FITTING
6	6	D4935-1	MOUNTING BRACKET
1	1	D4943-1	FLEX HOSE
1	1	D4961-041	TUBE ASSEMBLY
1	1	D4961-043	TUBE ASSEMBLY
2	2	D5079-1	PLACARD
1	1	D5090-041	DUCT ASSEMBLY
2	2	D5105-1	HANDLE
1	1	D5110-1	SWIVEL NUT FITTING
2	2	D5179-1	DOUBLER
2	2	D5179-3	DOUBLER
2	2	D5194-1	DOUBLER
3	3	D5208-041	BLANKING PLATE ASSY
1	1	D5526-1	HOSE PROTECTOR
1	1	D5526-3	HOSE PROTECTOR
1	1	D5721-1	HEAT BARRIER
2	2	23350CA050	LOCKING TAB
1*	1*	9752100180	GASKET
1*	1*	9945000120	GASKET
1*	1*	706A33-201-001	GASKET (OR 9945000160)
2	2	22208CM050016E	SCREW
1	1	736	HEAT RESISTANT SEALANT
2	2	AS1034J1212	ELBOW (OR AN821-12K OR AN821-12S OR AN821-12J)
1	1	AN929-12J	CAP
70	70	BS4320-A5	WASHER (OR NAS1149D0332J)
36	36	LN9038-05012	BOLT
2	2	LN9038-05016	BOLT
1	1	LN9038-05040	BOLT
32	32	LN9348-05	NUT
18	18	MS20470AD3-4	RIVET
1	1	MS21919WCH12	CLAMP (OR MS21919WHG12)
1	1	MS9592-138	BRACKET
1	1	NAS43DD3-64	SPACER

* USE APPROPRIATE FITTING/GASKET BASED ON ENGINE INSTALLATION

** PART OF QB05008 ABOVE

• COPYRIGHT © 2016 BY DART AEROSPACE LTD •
 THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED
 OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.

Revision: I

Date: 19.03.15

PALL Aerospace

PRODUCTION ACCEPTANCE TEST CERTIFICATE

This is an Electronically controlled document which is maintained with Full Password Access for all users. The "Insp Stamp" column relates to an individual whose password is electronically controlled, a "wet stamp" is therefore no longer required.

Test Unit Desc	Centrisep EAPS	Issue	4	Report No:	FC1063
Drawing No	QB05008	Amdnt		Serial No.	R7-7106
Part No	QB05008			Batch No.	RD19014885
ECR / Concession No					
Cust Spec	RSB05008	Test Sched	ATPB05008	Issue	5
Test Fluid	Air	Test Set-up		Issue	
Rig Or Test No		Assembler	MARK WAVER	Tester	IAN ENGLAND
Comment	MWC 3105	Clock No.	08003105	Date	15/10/2019
Insp/Approved By					

No	PROCEDURE	REQUIREMENT	RESULT	Pass/Fail
3.1	Check that the label requirements and part marking are in accordance with Sheet 2	Confirm	CONFIRMED	PASS
3.2	Ensure the QB05008 assembly conforms to the QB05008 Sheet 2 dimensions.	Confirm	CONFIRMED	PASS
3.3	Check the weight of the unit does not exceed 10kg.	Confirm	8.5kg	PASS
3.4	Check that proof pressure and crack detect tests have been performed on manifold.	Confirm	CONFIRMED	PASS
3.5	Check FOD screen mesh is intact with no broken mesh strands or irregular deformation.	Confirm	CONFIRMED	PASS
3.6	Check manifold port thread engagement. Ensure protective cap is fitted.	Confirm	CONFIRMED	PASS
3.7	Check electrical bonding resistance is equal to or less than 100 milliohms.	Confirm	1 uOhm	PASS
4.1	Check overall unit cleanliness.	Confirm	CONFIRMED	PASS
4.1 a	Check there are no material imperfections or foreign matter embedded.	Confirm	CONFIRMED	PASS
4.1 b	Check surface for unclean, rough, misaligned or containing cracks, nicks or other flaws.	Confirm	CONFIRMED	PASS
4.1 c	Check for any components that are missing, malformed, fractured or otherwise damaged.	Confirm	CONFIRMED	PASS
4.1 d	Check for any components that are loose or otherwise not securely retained.	Confirm	CONFIRMED	PASS
4.1 e	Check for incorrect assembling or improper positioning of components.	Confirm	CONFIRMED	PASS

4.1 f	Check for faulty workmanship or other irregularities e.g. Marking. Check for missing, insufficient, incorrect, illegible or non permanent text.	Valid on 28 Jun 2019 only. Confirm	CONFIRMED	PASS
4.1 g	Check to ensure all components are installed and secured in accordance with drawing instructions.	Confirm	CONFIRMED	PASS
4.1 h	Check that unit is free from all foreign objects: e.g. Swarf and rivet tails. Ensure unit is properly painted and is in a clean condition. Visually check unit for workmanship, no damage is permissible.	Confirm	CONFIRMED 	PASS
	PASS/ FAIL			
RESULTS OF TEST :- PASS FINAL INSPECTION APPROVAL :-				